

a power storage means for storing the radio wave energy received by the first dipole antenna and for supplying energy to the integrated circuit, and

a second dipole antenna for transmitting information from the integrated circuit to a receiver.

28. (Amended) An identification tag for application to objects comprising in combination:

DI
CML
an application specific integrated circuit on a die having;
a signal receiving system for receiving data containing information and programming into an integrated circuit,

a data processing system for reading out information from the integrated circuit,

a dipole antenna for receiving radio wave energy and transmitting information from the integrated circuit to a receiver not located on the die, and

a power storage means for storing the radio wave energy received by the dipole antenna and for supplying energy to the integrated circuit,

wherein all components are located on the die.

34. (Amended) The identification tag of claim 27, wherein a write control component contains at least one memory section for storing information.